

**DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

As a below named inventor(s), I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

**A COMMUNICATION SYSTEM USING  
ORTHOGONAL WAVELET DIVISION MULTIPLEXING (OWDM)  
AND OWDM-SPREAD SPECTRUM (OWSS) SIGNALING**

which (check) ☒ is attached hereto.  
☐ and is amended by the Preliminary Amendment attached hereto.  
☐ was filed on Application Serial No.  
☐ and was amended on \_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/289,589	May 7, 2001

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
N/A		

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Gary R. Stanford, Reg. No. 35,689, Douglas A. Balog, Reg. No. 42, 288, Bidyut K. Niyogi, Reg. No. 27,071, and Paul A. Bernkopf, Reg. No. 41,615

Please address all correspondence and telephone calls to: Gary R. Stanford  
Attorney for Applicant(s)

**LAW OFFICES OF GARY R. STANFORD**

610 West Lynn  
Austin, TX 78703  
Telephone: 512-474-7678  
Facsimile: 512-477-4080

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of sole (or first joint) inventor: Vijay K. Jain

Inventor's Signature:

*Vijay K. Jain*

Date:

*May 11, 2001*

Residence:

531 Carriage Hills Drive  
Temple Terrace, Florida 33617

County of Residence: Hillsborough

Citizenship: U.S.A.

Full name of second inventor: Brent A. Myers

Inventor's Signature: Brent A. Myers Date: 5/7/2001

Residence: 228 Neville Cr., N.E.  
Palm Bay, FL 32907

County of Residence: Brevard

Citizenship: U.S.A.

0936467-06404  
F04250-549850

**INTERSIL AMERICAS INC. and UNIVERSITY OF SOUTH FLORIDA**  
**Assignment**

---

As a below named inventor or joint inventor of an invention entitled:

**A COMMUNICATION SYSTEM USING  
ORTHOGONAL WAVELET DIVISION MULTIPLEXING (OWDM)  
AND OWDM-SPREAD SPECTRUM (OWSS) SIGNALING**

described in an application for Letters Patent of the United States of America, filed concurrently herewith, and

WHEREAS INTERSIL AMERICAS INC., a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business at 7585 Irvine Center Drive, Suite 100 in the City of Irvine, State of California, and UNIVERSITY OF SOUTH FLORIDA, with principle offices at 4202 E. Fowler Avenue, FAO 126, Tampa, Florida 33620-7900, (hereinafter, collectively "Assignees"), are desirous of obtaining, as joint owners, the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over, unto said Assignees, their successors, legal representatives, and assigns, my entire right, title and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuation applications thereof, and all Letters Patent of the United States of America which may be granted thereof and all reissues and extensions hereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignees, their successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith. And I hereby further covenant and agree that I will communicate to Assignees, their

successors, legal representative, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said Assignees, their successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

INVENTOR:

**Vijay K. Jain**

Citizenship:

U.S.A.

Post Office Address:

531 Carriage Hills Drive  
Temple Terrace, Florida 33617

Residence:

531 Carriage Hills Drive  
Temple Terrace, Florida 33617

Executed this 11<sup>th</sup> day of May, 2001, at TAMPA, FLORIDA (3:10 pm)

Vijay K. Jain  
Vijay K. Jain

State of Florida

§

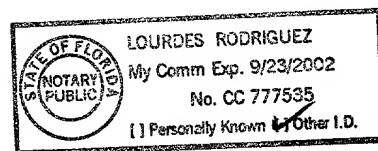
County of Pillsborough

§

§

Before me personally appeared **Vijay K. Jain** and acknowledged the foregoing instrument to be his free act and deed this 11 day of May, 2001.

Lourdes Rodriguez  
Notary Public in and for the State of  
Florida



INVENTOR:

**Brent A. Myers**

Citizenship:

U.S.A.

Post Office Address:

228 Neville Cr., N.E.  
Palm Bay, FL 32907

Residence:

228 Neville Cr., N.E.  
Palm Bay, FL 32907

Executed this 7<sup>th</sup> day of May, 2001, at Palm Bay FL.

Brent A. Myers  
Brent A. Myers

State of Florida

§  
§  
§

County of Brevard

Before me personally appeared **Brent A. Myers** and acknowledged the foregoing instrument to be his free act and deed this 7<sup>th</sup> day of May, 2001.

Susan D'Eberle  
Notary Public in and for the State of  
Florida

